

| ISSUE CLASSIFICATION |          |
|----------------------|----------|
| Class                | Subclass |
| 128                  | 3720     |

PATENT NUMBER

**6543447**



6543447

## U.S. UTILITY Patent Application

|                                                           |                                       |
|-----------------------------------------------------------|---------------------------------------|
| <p>O.I.P.E.</p> <p>AK<br/>SCANNED 15-1</p> <p>Q.A. AA</p> | <p>PATENT DATE</p> <p>APR 08 2003</p> |
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| APPLICATION NO.<br>09/780100 | CONT/PRIOR | CLASS<br><del>01</del><br>128 | SUBCLASS<br>200.26 | ART UNIT<br><del>3700</del><br>6 | EXAMINER<br>M. E. Caldwell |
|------------------------------|------------|-------------------------------|--------------------|----------------------------------|----------------------------|

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| TITLE                   | APPLICANTS               |
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| 4. <b>Treasurer</b>     | 4. <b>Mr. J. H. ...</b>  |
| 5. <b>Member</b>        | 5. <b>Mr. J. H. ...</b>  |
| 6. <b>Member</b>        | 6. <b>Mr. J. H. ...</b>  |
| 7. <b>Member</b>        | 7. <b>Mr. J. H. ...</b>  |
| 8. <b>Member</b>        | 8. <b>Mr. J. H. ...</b>  |
| 9. <b>Member</b>        | 9. <b>Mr. J. H. ...</b>  |
| 10. <b>Member</b>       | 10. <b>Mr. J. H. ...</b> |
| 11. <b>Member</b>       | 11. <b>Mr. J. H. ...</b> |
| 12. <b>Member</b>       | 12. <b>Mr. J. H. ...</b> |
| 13. <b>Member</b>       | 13. <b>Mr. J. H. ...</b> |
| 14. <b>Member</b>       | 14. <b>Mr. J. H. ...</b> |
| 15. <b>Member</b>       | 15. <b>Mr. J. H. ...</b> |
| 16. <b>Member</b>       | 16. <b>Mr. J. H. ...</b> |
| 17. <b>Member</b>       | 17. <b>Mr. J. H. ...</b> |
| 18. <b>Member</b>       | 18. <b>Mr. J. H. ...</b> |
| 19. <b>Member</b>       | 19. <b>Mr. J. H. ...</b> |
| 20. <b>Member</b>       | 20. <b>Mr. J. H. ...</b> |
| 21. <b>Member</b>       | 21. <b>Mr. J. H. ...</b> |
| 22. <b>Member</b>       | 22. <b>Mr. J. H. ...</b> |
| 23. <b>Member</b>       | 23. <b>Mr. J. H. ...</b> |
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| 25. <b>Member</b>       | 25. <b>Mr. J. H. ...</b> |
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| 37. <b>Member</b>       | 37. <b>Mr. J. H. ...</b> |
| 38. <b>Member</b>       | 38. <b>Mr. J. H. ...</b> |
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| 54. <b>Member</b>       | 54. <b>Mr. J. H. ...</b> |
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| 56. <b>Member</b>       | 56. <b>Mr. J. H. ...</b> |
| 57. <b>Member</b>       | 57. <b>Mr. J. H. ...</b> |
| 58. <b>Member</b>       | 58. <b>Mr. J. H. ...</b> |
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| 65. <b>Member</b>       | 65. <b>Mr. J. H. ...</b> |
| 66. <b>Member</b>       | 66. <b>Mr. J. H. ...</b> |
| 67. <b>Member</b>       | 67. <b>Mr. J. H. ...</b> |
| 68. <b>Member</b>       | 68. <b>Mr. J. H. ...</b> |
| 69. <b>Member</b>       | 69. <b>Mr. J. H. ...</b> |
| 70. <b>Member</b>       | 70. <b>Mr. J. H. ...</b> |
| 71. <b>Member</b>       | 71. <b>Mr. J. H. ...</b> |
| 72. <b>Member</b>       | 72. <b>Mr. J. H. ...</b> |
| 73. <b>Member</b>       | 73. <b>Mr. J. H. ...</b> |
| 74. <b>Member</b>       | 74. <b>Mr. J. H. ...</b> |
| 75. <b>Member</b>       | 75. <b>Mr. J. H. ...</b> |
| 76. <b>Member</b>       | 76. <b>Mr. J. H. ...</b> |
| 77. <b>Member</b>       | 77. <b>Mr. J. H. ...</b> |
| 78. <b>Member</b>       | 78. <b>Mr. J. H. ...</b> |
| 79. <b>Member</b>       | 79. <b>Mr. J. H. ...</b> |
| 80. <b>Member</b>       | 80. <b>Mr. J. H. ...</b> |
| 81. <b>Member</b>       | 81. <b>Mr. J. H. ...</b> |
| 82. <b>Member</b>       | 82. <b>Mr. J. H. ...</b> |
| 83. <b>Member</b>       | 83. <b>Mr. J. H. ...</b> |
| 84. <b>Member</b>       | 84. <b>Mr. J. H. ...</b> |
| 85. <b>Member</b>       | 85. <b>Mr. J. H. ...</b> |
| 86. <b>Member</b>       | 86. <b>Mr. J. H. ...</b> |
| 87. <b>Member</b>       | 87. <b>Mr. J. H. ...</b> |
| 88. <b>Member</b>       | 88. <b>Mr. J. H. ...</b> |
| 89. <b>Member</b>       | 89. <b>Mr. J. H. ...</b> |
| 90. <b>Member</b>       | 90. <b>Mr. J. H. ...</b> |
| 91. <b>Member</b>       | 91. <b>Mr. J. H. ...</b> |
| 92. <b>Member</b>       | 92. <b>Mr. J. H. ...</b> |
| 93. <b>Member</b>       | 93. <b>Mr. J. H. ...</b> |
| 94. <b>Member</b>       | 94. <b>Mr. J. H. ...</b> |
| 95. <b>Member</b>       | 95. <b>Mr. J.</b>        |

M... ..

PTO-2040  
12/99

| ISSUING CLASSIFICATION       |    |          |                    |                                   |    |  |  |  |  |
|------------------------------|----|----------|--------------------|-----------------------------------|----|--|--|--|--|
| ORIGINAL                     |    |          | CROSS REFERENCE(S) |                                   |    |  |  |  |  |
| CLASS                        |    | SUBCLASS | CLASS              | SUBCLASS (ONE SUBCLASS PER BLOCK) |    |  |  |  |  |
| 128                          |    | 200.26   | 128                | 207.14                            |    |  |  |  |  |
| INTERNATIONAL CLASSIFICATION |    |          |                    |                                   |    |  |  |  |  |
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|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|-----------------------------------|-----------------------------------------|
| <input checked="" type="checkbox"/> <b>TERMINAL<br/>DISCLAIMER</b>                                                                          | <b>DRAWINGS</b>                                                                                                                 |                                 |                               | <b>CLAIMS ALLOWED</b>             |                                         |
|                                                                                                                                             | <b>Sheets Drwg.</b><br><u>7</u>                                                                                                 | <b>Figs. Drwg.</b><br><u>12</u> | <b>Print Fig.</b><br><u>6</u> | <b>Total Claims</b><br><u>44</u>  | <b>Print Claim for O.G.</b><br><u>1</u> |
| <input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.                                            | <u>Tenn. Mitchell</u> <u>11/11/02</u><br>(Assistant Examiner)      (Date)                                                       |                                 |                               | <b>NOTICE OF ALLOWANCE MAILED</b> |                                         |
|                                                                                                                                             |                                                                                                                                 |                                 |                               |                                   |                                         |
| <input checked="" type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S Patent. No. <u>6,146,144</u> | <u>Aaron J. Lewis</u><br><b>Primary Examiner</b><br><br><u>Aaron J. Lewis</u> <u>11/13/02</u><br>(Primary Examiner)      (Date) |                                 |                               | <u>11/14/02</u>                   |                                         |
|                                                                                                                                             |                                                                                                                                 |                                 |                               | <b>ISSUE FEE</b>                  |                                         |
|                                                                                                                                             |                                                                                                                                 |                                 |                               | <b>Amount Due</b><br><u>\$640</u> | <b>Date Paid</b> <u>12-2-02</u>         |
| <input type="checkbox"/> The terminal ____ months of this patent have been disclaimed.                                                      | <u>J.F.</u> <u>11-21-02</u><br>(Legal Instruments Examiner)      (Date)                                                         |                                 |                               | <b>ISSUE BATCH NUMBER</b>         |                                         |
|                                                                                                                                             |                                                                                                                                 |                                 |                               |                                   |                                         |

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